

L Number	Hits	Search Text	DB	Time stamp
1	473	manufactur\$3 near3 inspect\$3 and (bottl\$2 or cans or container or liquid) and(LED or liquid adj emitt\$3 adj diode)and(imag\$3 or ccd or camera or sensor\$1)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/11/01 09:10
2	412	(manufactur\$3 near3 inspect\$3 and (bottl\$2 or cans or container or liquid) and(LED or liquid adj emitt\$3 adj diode)and(imag\$3 or ccd or camera or sensor\$1)) and (filter or error or transform\$3 or correct\$3)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/11/01 09:02
4	208	((manufactur\$3 near3 inspect\$3 and (bottl\$2 or cans or container or liquid) and(LED or liquid adj emitt\$3 adj diode)and(imag\$3 or ccd or camera or sensor\$1)) and (filter or error or transform\$3 or correct\$3)) and @ad<20010201	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/11/01 09:03
5	98	((manufactur\$3 near3 inspect\$3 and (bottl\$2 or cans or container or liquid) and(LED or liquid adj emitt\$3 adj diode)and(imag\$3 or ccd or camera or sensor\$1)) and (filter or error or transform\$3 or correct\$3)) and @ad<20010201) and (stage or convey\$2 adj belt or plat adj form)and manufactur\$3 near3 inspect\$3 and (bottl\$2 or cans or container or liquid)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/11/01 09:12
6	48	((((manufactur\$3 near3 inspect\$3 and (bottl\$2 or cans or container or liquid) and(LED or liquid adj emitt\$3 adj diode)and(imag\$3 or ccd or camera or sensor\$1)) and (filter or error or transform\$3 or correct\$3)) and @ad<20010201) and (stage or convey\$2 adj belt or plat adj form)and manufactur\$3 near3 inspect\$3 and (bottl\$2 or cans or container or liquid)) and(detect\$3 or determin\$3)and(liquid or fluid)and(bottl\$2 or cans or container or liquid)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/11/01 09:16
8	30	(((((manufactur\$3 near3 inspect\$3 and (bottl\$2 or cans or container or liquid) and(LED or liquid adj emitt\$3 adj diode)and(imag\$3 or ccd or camera or sensor\$1)) and (filter or error or transform\$3 or correct\$3)) and @ad<20010201) and (stage or convey\$2 adj belt or plat adj form)and manufactur\$3 near3 inspect\$3 and (bottl\$2 or cans or container or liquid)) and(detect\$3 or determin\$3)and(liquid or fluid)and(bottl\$2 or cans or container or liquid)) and(detect\$3 or determin\$3)and(foreign or dirt or cracks or particles or impurities)and(bottl\$2 or cans or container or liquid)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/11/01 09:20

IEEE HOME | SEARCH IEEE | SHOP | WEB ACCOUNT | CONTACT IEEE



Membership Publications/Services Standards Conferences Careers/Jobs

IEEE Xplore®
 RELEASE 1.8

 Welcome
 United States Patent and Trademark Office

[Help](#) [FAQ](#) [Terms](#) [IEEE Peer Review](#)
[Quick Links](#)

Welcome to IEEE Xplore®

- ☐ Home
- ☐ What Can I Access?
- ☐ Log-out

Tables of Contents

- ☐ Journals & Magazines
- ☐ Conference Proceedings
- ☐ Standards

Search

- ☐ By Author
- ☐ Basic
- ☐ Advanced
- ☐ CrossRef

Member Services

- ☐ Join IEEE
- ☐ Establish IEEE Web Account
- ☐ Access the IEEE Member Digital Library

IEEE Enterprise

- ☐ Access the IEEE Enterprise File Cabinet

Try our New Full-text Search Prototype **GO**
[Help](#)

- 1) Enter a single keyword, phrase, or Boolean expression.
Example: acoustic imaging (means the phrase acoustic imaging plus any stem variations)
- 2) Limit your search by using search operators and field codes, if desired.
Example: optical <and> (fiber <or> fibre) <in> ti
- 3) Limit the results by selecting Search Options.
- 4) Click Search. See [Search Examples](#)

 inspecting and(bottles or
 cans or container)and (ccd or
 camera or sensor or detectors)
 and (led or light <near/5>

Start Search

Clear

Note: This function returns plural and suffixed forms of the keyword(s).

 Search operators: <and> <or> <not> <in> [More](#)

 Field codes: au (author), ti (title), ab (abstract), jn (publication name), de (index term) [More](#)
Search Options:**Select publication types:**

- ☒ IEEE Journals
- ☒ IEE Journals
- ☒ IEEE Conference proceedings
- ☒ IEE Conference proceedings
- ☒ IEEE Standards

Select years to search:
 From year: to
Organize search results by:Sort by: In: orderList Results per page
[Home](#) | [Log-out](#) | [Journals](#) | [Conference Proceedings](#) | [Standards](#) | [Search by Author](#) | [Basic Search](#) | [Advanced Search](#) | [Join IEEE](#) | [Web Account](#) | [New this week](#) | [OPAC Linking Information](#) | [Your Feedback](#) | [Technical Support](#) | [Email Alerting](#) | [No Robots Please](#) | [Release Notes](#) | [IEEE Online Publications](#) | [Help](#) | [FAQ](#) | [Terms](#) | [Back to Top](#)

Copyright © 2004 IEEE — All rights reserved

IEEE HOME | SEARCH IEEE | SHOP | WEB ACCOUNT | CONTACT IEEE



Membership Publications/Services Standards Conferences Careers/Jobs

IEEE Xplore®
 RELEASE 1.8

 Welcome
 United States Patent and Trademark Office

[Help](#) [FAQ](#) [Terms](#) [IEEE Peer Review](#)
[Quick Links](#)

Welcome to IEEE Xplore®

- ☐ Home
- ☐ What Can I Access?
- ☐ Log-out

Tables of Contents

- ☐ Journals & Magazines
- ☐ Conference Proceedings
- ☐ Standards

Search

- ☐ By Author
- ☐ Basic
- ☐ Advanced
- ☐ CrossRef

Member Services

- ☐ Join IEEE
- ☐ Establish IEEE Web Account
- ☐ Access the IEEE Member Digital Library

IEEE Enterprise

- ☐ Access the IEEE Enterprise File Cabinet

Print Format

Your search matched **5** of **1085387** documents.A maximum of **500** results are displayed, **15** to a page, sorted by **Relevance Descending** order.**Refine This Search:**

You may refine your search by editing the current search expression or entering new one in the text box.

☐ Check to search within this result set
Results Key:
JNL = Journal or Magazine **CNF** = Conference **STD** = Standard
1 Development of X-ray scanner using 450-kVp X-ray

Sung-Woo Kwak; Kwang Hyun Kim; Insu Kim; Gyuseong Cho;

Nuclear Science, IEEE Transactions on , Volume: 50 , Issue: 6 , Dec. 2003
Pages:2414 - 2419
[\[Abstract\]](#) [\[PDF Full-Text \(305 KB\)\]](#) **IEEE JNL**
2 Detection of foreign substances mixed in a plastic bottle of medicine solution using real-time video image processing

Ishij, A.; Mizuta, T.; Todo, S.;

Pattern Recognition, 1998. Proceedings. Fourteenth International Conference on , Volume: 2 , 16-20 Aug. 1998
Pages:1646 - 1650 vol.2
[\[Abstract\]](#) [\[PDF Full-Text \(152 KB\)\]](#) **IEEE CNF**
3 Fruit grading robot

Kondo, N.;

Advanced Intelligent Mechatronics, 2003. AIM 2003. Proceedings. 2003 IEEE/International Conference on , Volume: 2 , 20-24 July 2003
Pages:1366 - 1371 vol.2
[\[Abstract\]](#) [\[PDF Full-Text \(866 KB\)\]](#) **IEEE CNF**
4 Development of damage detection system for container

Nakazawa, K.; Iwasaki, I.; Yamashita, I.;

Industrial Electronics, Control, and Instrumentation, 1995., Proceedings of the 1995 IEEE IECON 21st International Conference on , Volume: 2 , 6-10 Nov. 1995
Pages:1160 - 1163 vol.2

[\[Abstract\]](#) [\[PDF Full-Text \(312 KB\)\]](#) **IEEE CNF**

5 Object-based 3D X-ray imaging for second-line security screening

Benjamin, R.;

Security and Detection, 1995., European Convention on , 16-18 May 1995

Pages:310 - 313

[\[Abstract\]](#) [\[PDF Full-Text \(464 KB\)\]](#) **IEE CNF**

[Home](#) | [Log-out](#) | [Journals](#) | [Conference Proceedings](#) | [Standards](#) | [Search by Author](#) | [Basic Search](#) | [Advanced Search](#) | [Join IEEE](#) | [Web Account](#) |
[New this week](#) | [OPAC Linking Information](#) | [Your Feedback](#) | [Technical Support](#) | [Email Alerting](#) | [No Robots Please](#) | [Release Notes](#) | [IEEE Online Publications](#) | [Help](#) | [FAQ](#) | [Terms](#) | [Back to Top](#)

Copyright © 2004 IEEE — All rights reserved